

ABSTRACT OF THE DISCLOSURE

The invention relates to a subassembly, consisting of a drive shaft (12), a housing (10) with a through-bore (19), through which the drive shaft projects out of the housing and an axial mechanical seal consisting of a rotating seal ring (22) and a counter-
5 ring (20) which forms a seal between the drive shaft (12) and housing (10) components.

The invention aims to improve the assembly of the axial mechanical seal and the thermal dissipation from said mechanical seal. To this end, the counter-ring (20) is configured as one single piece with one of the two components (10, 12). This obviates a separate assembly of the counter-ring and allows the heat produced by friction to be dissipated
10 directly into one of the two components.